

CLAIMS

*Sub A1*

1. A jewellery alloy as hereinbefore defined, comprising 76-83.5 wt% gold and 16.5-21.5 wt% aluminium, and having a substantially purple hue.

*Sub D1*

5 2. A jewellery alloy according to claim 1, having a hardness substantially similar to that of the intermetallic compound  $Au_3Al$  (78.5 wt% Au and 21.5 wt% Al).

3. A jewellery alloy according to claim 2, in which the hardness is within 6% of the hardness of the intermetallic compound  $Au_3Al$ .

*Sub A2*

4. A jewellery alloy according to any one of the preceding claims, consisting of more than 78.5wt% and up to and including 83.5 wt% gold and a balance of aluminium.

5. A jewellery alloy according to any one of claims 1 to 15 3, further comprising an additional element selected from the group consisting of palladium and nickel.

*Sub D2*

6. A jewellery alloy according to claim 5, in which the aluminium content is 18.5-19.5 wt%.

7. A jewellery alloy according to claim 6, wherein the 20 gold to aluminium ratio is at least 3.66.

*Sub A3*

8. A jewellery alloy according to claim 5, claim 6 or claim 7, wherein the additional element is palladium and is present in an amount of between 0.5 wt% and 4.0 wt%.

9. A jewellery alloy according to claim 5, claim 6 or 25 claim 7, wherein the additional element is nickel and is present in an amount of between 1.0 wt% and 2.0 wt%.

10. An article comprising a metal component, wherein the metal component comprises a jewellery alloy according to

*Sub A3*  
*Sub D1*  
*Sub A4*

any one of the preceding claims.

11. An article according to claim 10, wherein the article is selected from the group consisting of ornamental jewellery, medallions and coins.

5 12. A jewellery alloy substantially as hereinbefore described with reference to the accompanying examples.

13. A jewellery alloy containing 16.5-21.5 wt% aluminium, 0-4.0 wt% palladium, 0-2 wt% nickel and balance gold (except for impurities and incidental elements).

10 14. An alloy containing 18.5-19.5 wt% aluminium, 0.5-4.0 wt% palladium and balance gold.

15. An alloy containing 18.5-19.5 wt% aluminium, 1.0-2.0 wt% nickel and balance gold